	Application No.	Applicant(s)
Notice of Allowability	10/606,744	HASHIMOTO ET AL.
	Examiner	Art Unit
	   Mariceli Santiago	2879
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the (OR REMAINS) CLOSED in this a or other appropriate communicat IGHTS. This application is subject	application. If not included ion will be mailed in due course. THIS
1. $\boxtimes$ This communication is responsive to <u>Response filed March</u>	<u>h 16, 2005</u> .	
2. The allowed claim(s) is/are 1-7 and 11-13.		
3.   The drawings filed on are accepted by the Examine	r.	
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una)  All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application No.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a rep IENT of this application.	oly complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAMINE reason(s) why the oath or declar	ER'S AMENDMENT or NOTICE OF aration is deficient.
<ol> <li>CORRECTED DRAWINGS (as "replacement sheets") muse</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No./Mail Date</li> <li>(b) ☒ including changes required by the attached Examiner's Paper No./Mail Date <u>5/9/2005</u>.</li> <li>Identifying indicia such as the application number (see 37 CFR 1</li> </ol>	son's Patent Drawing Review (PT . s Amendment / Comment or in the	e Office action of
each sheet. Replacement sheet(s) should be labeled as such in t 7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAI	L must be submitted. Note the
Attachment(s)  1. ☑ Notice of References Cited (PTO-892)  2. ☑ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. ☑ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summa Paper No./Mail I 08), 7. ☑ Examiner's Amer	I Patent Application (PTO-152)  Try (PTO-413),  Date  Indment/Comment  The ment of Reasons for Allowance

### **DETAILED ACTION**

# Response to Amendment

The Amendment, filed on March 16, 2005, has been entered and acknowledged by the Examiner.

Cancellation of claims 8-10 and 14 has been entered.

Claims 1-7 and 11-13 are pending in the instant application.

#### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Henry J. Staas on May 9, 2005.

The application has been amended as follows:

In the title, pursuant to MPEP 606.01, the title has been changed as follows,

--LIGHT-EMITTING DISPLAY DEVICE WITH SUBSTRATE HAVING SURFACE IRREGULARITIES--.

## In the drawings,

The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

Insert in each of Figures 1, 2, 3A-3D, 4 and 5, the label -- PRIOR ART--.

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

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#### Election/Restrictions

Applicant's election without traverse of Group I, claims 1-7 and 11-13, in the reply filed on March 16, 2005 is acknowledged.

# Allowable Subject Matter

Claims 1-7 and 11-13 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 1, and specifically comprising the limitation of wherein, on the surface of the substrate, at least part of a region that corresponds to each pixel has irregularities for light scattering, the difference between the maximum height and the minimum height of the irregularities being at least 0.4 mm, and the barriers and the irregularities are formed directly in the substrate material.

Regarding claims 4-7, claims 4-7 are allowable for the reasons given in claim 1 because of their dependency status from claim 1.

Regarding claim 2, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 2, and specifically comprising the limitation of barriers delimiting at least one side of each pixel respectively, wherein, the switching elements are placed on the tops of the barriers on the surface of the substrate, and at least part of a region that corresponds to each pixel has irregularities for light scattering, the difference between the maximum height and the minimum height of the irregularities being at least 0.4 mm.

Regarding claims 3 and 11-13, claims 3 and 11-13 are allowable for the reasons given in claim 2 because of their dependency status from claim 2.

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Any comments considered necessary by applicant must be submitted no later than the

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payment of the issue fee and, to avoid processing delays, should preferably accompany the

issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons

for Allowance."

Other Prior Art Cited

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Mariceli Santiago whose telephone number is (571) 272-2464. The

examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the

organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about PAIR system,

see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mariceli Santiago Primary Examiner

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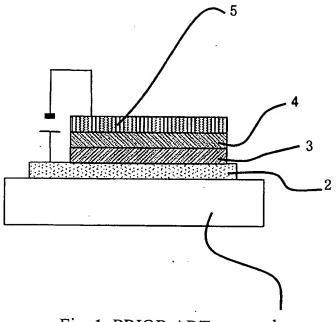


Fig. 1 PRIOR ART

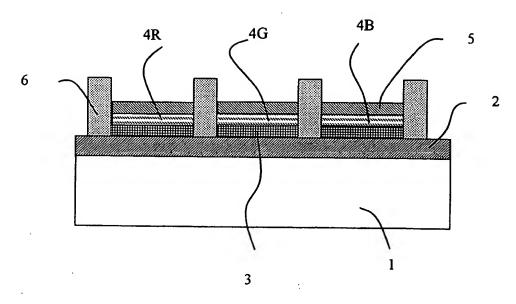


Fig. 2 PRIOR ART

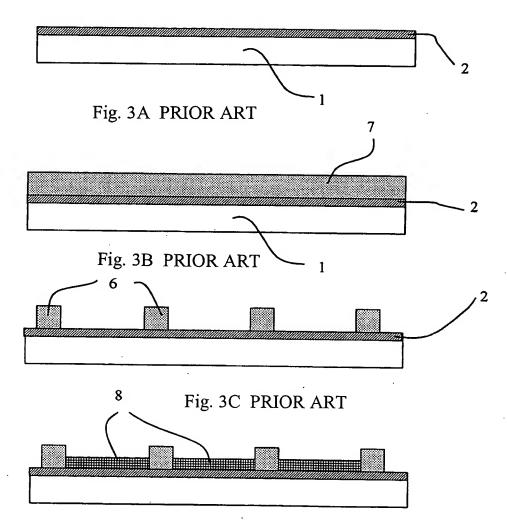


Fig. 3D PRIOR ART

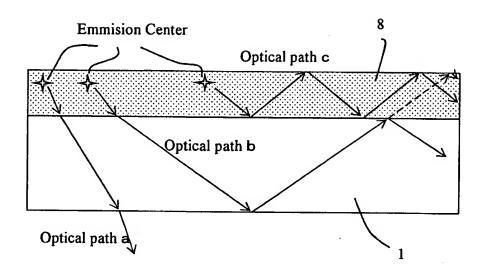


Fig. 4 PRIOR ART

